

Variant: 001
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N/A REV RevC Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1200	1		N/A	Any	Printed Circuit Board	
2	C208, C211, C212, C213, C214, C217, C223, C224, C225, C300, C303, C304, C305, C306, C309, C320, C321, C322, C327, C339, C402, C407, C408, C409, C411, C416, C417, C418, C419, C423, C424, C425, C426, C427, C428, C430, C434, C437, C438, C439, C440, C441, C442, C504, C516, C605, C607	47	10uF	GRM188R6YA106MA73D	Murata	CAP, CERM, 10 uF, 35 V, +/- 20%, X5R, 0603	603

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3	C209, C210, C215, C216, C222, C234, C301, C302, C307, C308, C313, C314, C319, C325, C326, C335, C341, C342, C404, C406, C415, C421, C435, C502, C505, C517, C518, C600, C601, C602, C606, C608, C609, C611, C612, C700, C704, C708, C800, C803, C807, C809, C901, C903, C905, C1100, C1101, C1300, C1301	49	0.1uF	CGA3E2X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
4	C218, C221, C227, C310, C318, C328, C410, C414, C429, C503, C506, C510, C515, C806, C909	15	0.01uF	CGA3E2X7R2A103K080AA	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
5	C219, C316, C412, C431, C508, C512, C519, C523, C524, C528, C531	11	680pF	C0603C681J5GACTU	Kemet	CAP, CERM, 680 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
6	C220, C317, C413, C501, C509, C514, C802, C805, C808, C1302, C1303, C1304, C1305, C1306, C1307	15	1000pF	GRM1885C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
7	C226, C228, C323, C329	4	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206

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8	C229, C311, C324, C330, C340, C420, C422, C436, C801, C804	10	1uF	CGA3E1X7R1V105K080AC	TDK	CAP, CERM, 1 uF, 35 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
9	C230, C231, C232, C331, C332, C333, C345	7	10uF	GRM32ER71H106KA12L	MuRata	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210	1210
10	C233, C334	2	1uF	CGA4J3X7R1H105K125AB	TDK	CAP, CERM, 1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	805
11	C235, C337, C432, C702, C703, C706, C707, C710, C711, C907	10	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 0, 0603	603
12	C236, C336, C433, C500	4	0.068uF	CGA3E2X7R1H683K080AA	TDK	CAP, CERM, 0.068 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
13	C237, C338, C443	3	0.047uF	CGA3E2X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
14	C238, C343, C444, C610, C811	5	220pF	GCM1885C2A221JA16D	MuRata	CAP, CERM, 220 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	603
15	C239, C312, C344, C445	4	0.22uF	GCM188R71E224KA55D	MuRata	CAP, CERM, 0.22 uF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
16	C315, C346	2	22uF	GRM32ER71A226ME20L	MuRata	CAP, CERM, 22 uF, 10 V, +/- 10%, X7R, 1210	1210
17	C603, C604	2	4700pF	CGA3E2X7R2A472K080AA	TDK	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
18	C701, C705, C709, C906, C908	5	4700pF	GCM188R72A472KA37D	MuRata	CAP, CERM, 4700 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
19	C900, C902	2	2.2uF	GRM188R71A225KE15J	MuRata	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
20	C904	1	680pF	GRM188R72A681KA01D	MuRata	CAP, CERM, 680 pF, 100 V, +/- 10%, X7R, 0603	603
21	D100	1	28V	SMBJ28CA-13-F	Diodes Inc.	Diode, TVS, Bi, 28 V, 45.4 Vc, SMB	SMB
22	D202, D300, D401, D402	4	60V	PMEG060V100EPDZ	Nexperia	Diode, Schottky, 60 V, 10 A, AEC-Q101, CFP15	CFP15
23	D500, D501, D502	3	40V	BAS40DW-04-TP	Micro Commercial Componen	Diode, Schottky, 40 V, 0.2 A, SOT-363	SOT-363
24	D600, D601	2	24V	NUP2105LT1G	ON Semiconductor	Diode, TVS, Bi, 24 V, SOT-23	SOT-23
25	D602	1	100V	1N4148W-TP	Micro Commercial Componen	Diode, Switching, 100 V, 0.15 A, SOD-123	SOD-123
26	D603	1	15V	PESD1LIN,115	NXP Semiconductor	Diode, TVS, Bi, 15 V, SOD-323	SOD-323
27	D900	1	20V	SS12-E3/61T	Vishay-Semiconductor	Diode, Schottky, 20 V, 1 A, SMA	SMA
28	D1100, D1102	2	Green	150060GS75000	Würth Elektronik	LED, Green, SMD	LED_0603
29	D1101	1	Red	150060RS75000	Würth Elektronik	LED, Red, SMD	LED_0603
30	FID1200, FID1201, FID1202, FID1203, FID1204, FID1205	6		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A
31	J100	1		PJ-037AH	CUI Inc.	Power Jack, 2mm, R/A, TH	Power Jack, R/A, TH

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32	J101	1		6.18009E+11	Würth Elektronik	9 Position D-Sub Plug, Male Pins Connector	CONN_DSUB_30MM 8_18MM4
33	J102, J103	2		6.18009E+11	Würth Elektronik	Receptacle, D-Sub, 9 Position, R/A, TH	Receptacle, D-Sub, 9 Position, R/A, TH
34	J104, J105, J106	3		22232031	Molex	Connector Header Through Hole 3 position 0.100" (2.54mm)	HDR3
35	J107, J108	2		HPM-03-01-T-S	Samtec	Connector Header Through Hole 3 position 0.200" (5.08mm)	HDR3
36	J109, J110	2		640456-2	TE Connectivity	Header, 2.54mm, 2x1, Tin, TH	Header, 2.54mm, 2x1, TH
37	J500, J501, J502, J503, J504, J505, J506, J507, J508, J509, J510, J511, J512, J513, J515, J700, J701, J702, J800, J1102, J1106	21		734151471	Molex	MMCX JACK, 50 Ohm, Gold, TH	MMCX JACK, Gold, TH
38	J600, J601	2		TSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	2x1 Header
39	J1000, J1001, J1002	3		ESHF-120-01-L-D-SM	Samtec	Connector Header Surface Mount 40 position 0.050" (1.27mm)	HDR40
40	J1100	1		TSS-105-01-T-D	Samtec	Header(shrouded), 2.54mm, 5x2, Tin, TH	Header(shrouded), 2.54mm, 5x2, TH
41	J1101	1		SBH11-PBPC-D07-ST-BK	Sullins Connector Solutions	Header (shrouded), 100 mil, 7x2, Gold, TH	7x2 Shrouded Header
42	J1103	1		TFM-106-02-S-D-A	Samtec	Header(Shrouded), 1.27mm, 6x2, Tin, SMT	Header(Shrouded), 1.27mm, 6x2, SMT
43	J1104, J1105	2		61300311121	Würth Elektronik	Header, 2.54 mm, 3x1, Gold, TH	Header, 2.54mm, 3x1, TH
44	J1108	1		HSEC8-160-01-L-DV-A-BL	Samtec	C2000 controlCARD-120HSEC connector, SMT	C2000 pin numbering
45	J1109	1		HSEC8-130-01-L-DV-A	Samtec	C2000 controlCARD-180HSEC (60-pin add-on) connector, SMT	C2000 pin numbering
46	J1113	1		QSH-030-01-L-D-A	Samtec	Receptacle, 0.5 mm, 30x2, Gold, TH	Receptacle, 0.5 mm, 30x2, TH
47	J1300, J1301	2		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
48	L200, L301	2	47uH	MSD1514-473MEB	Coilcraft	Coupled inductor, 47 µH, 7.5 A, 0.065 ohm, SMD	15x15mm
49	L300	1	2.2uH	IHLP2525CZER2R2M5A	Vishay-Dale	Inductor, Shielded, 2.2 uH, 8.1 A, 0.0183 ohm, AEC-Q200 Grade 1, SMD	6.86x6.47mm
50	L400	1	10uH	MSS1278T-103MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 10 uH, 5.7 A, 0.02 ohm, SMD	MSS1278T
51	L401, L402	2	22uH	MSS1278T-223MLB	Coilcraft	Inductor, Shielded Drum Core, Ferrite, 22 uH, 4 A, 0.04 ohm, SMD	MSS1278T
52	L600, L601	2	100uH	ACT45B-101-2P-TL003	TDK	Inductor, Ferrite, 100 uH, 0.15 A, 2 ohm, SMD	SMD, 4-Leads, Body 4.7 x 3.7 mm
53	LBL1200	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650 x 0.200 inch
54	Q900	1	20V	BSS806NEH6327XTSA1	Infineon Technologies	MOSFET, N-CH, 20 V, 2.3 A, AEC-Q101, SOT-23	SOT-23
55	R106, R324, R325, R539, R1129	5	0	5106	Keystone	RES, 0, 1%, 0.5 W, 0805	805
56	R235, R300, R400	3	100k	CRCW0603100KFKEA	Vishay-Dale	RES, 100 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
57	R236, R301, R402	3	78.7k	CRCW060378K7FKEA	Vishay-Dale	RES, 78.7 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
58	R237	1	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603

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59	R238, R303, R406	3	5.11k	CRCW06035K11FKEA	Vishay-Dale	RES, 5.11 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
60	R239, R304, R410, R426	4	5.36k	CRCW06035K36FKEA	Vishay-Dale	RES, 5.36 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
61	R240, R305, R416, R515, R530, R533, R549	7	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
62	R241	1	3.01k	CRCW06033K01FKEA	Vishay-Dale	RES, 3.01 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
63	R242, R309, R421, R427	4	10	CRCW121010R0FKEAHP	Vishay-Dale	RES, 10.0, 1%, 0.75 W, AEC-Q200 Grade 0, 1210	1210
64	R243, R310, R425, R518, R523, R535, R542	7	34.8k	CRCW060334K8FKEA	Vishay-Dale	RES, 34.8 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
65	R244, R311	2	5.23k	CRCW06035K23FKEA	Vishay-Dale	RES, 5.23 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
66	R245, R312, R429	3	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
67	R246, R313	2	121k	CRCW0603121KFKEA	Vishay-Dale	RES, 121 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
68	R247, R314, R428	3	22.6k	CRCW060322K6FKEA	Vishay-Dale	RES, 22.6 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
69	R248, R315, R431	3	5.49k	CRCW06035K49FKEA	Vishay-Dale	RES, 5.49 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
70	R249, R316, R432	3	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
71	R250, R317, R433	3	61.9k	CRCW060361K9FKEA	Vishay-Dale	RES, 61.9 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
72	R251, R318, R434, R501, R502	5	2.00k	CRCW06032K00FKEA	Vishay-Dale	RES, 2.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
73	R307, R522, R540	3	40.2k	CRCW060340K2FKEA	Vishay-Dale	RES, 40.2 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603

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74	R308, R319, R320, R322, R505, R506, R507, R508, R509, R510, R516, R517, R529, R531, R532, R534, R548, R552, R553, R554, R555, R558, R559, R560, R561, R606, R611, R613, R617, R618, R619, R812, R815, R905, R1128, R1145, R1146, R1147, R1148, R1149, R1150, R1151, R1152, R1153, R1154, R1155, R1156, R1158	48	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
75	R321, R703, R709, R715	4	7.15k	CRCW06037K15FKEA	Vishay-Dale	RES, 7.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
76	R430	1	71.5k	CRCW060371K5FKEA	Vishay-Dale	RES, 71.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
77	R500, R556, R557	3	6.04k	CRCW06036K04FKEA	Vishay-Dale	RES, 6.04 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
78	R503, R504, R513, R521, R526, R527, R538, R545, R546, R550, R551, R564, R569, R807, R810, R811, R814, R1000, R1001, R1002, R1003, R1004, R1005, R1006, R1007, R1008, R1009, R1010, R1011, R1012, R1013, R1014, R1015, R1016, R1017, R1018, R1109, R1112, R1139, R1159	40	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
79	R511, R512	2	68.1k	CRCW060368K1FKEA	Vishay-Dale	RES, 68.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603

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80	R514, R528, R547, R565, R570, R904, R1100, R1106	8	47	CRCW060347R0FKEA	Vishay-Dale	RES, 47.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
81	R519, R524, R536, R543, R612, R1300, R1301, R1302, R1303, R1305, R1306, R1307	12	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
82	R520, R525, R537, R544, R900, R906, R1102, R1137	8	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
83	R602, R603, R605, R607	4	60.4	CRCW060360R4FKEA	Vishay-Dale	RES, 60.4, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
84	R604, R609, R614, R615, R616, R701, R707, R713, R813, R1136, R1138	11	10	CRCW060310R0FKEA	Vishay-Dale	RES, 10.0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
85	R700, R702, R706, R708, R712, R714	6	1.00k	ERA3AEB102V	Panasonic	RES, 1.00 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
86	R704, R710, R716	3	27	CRCW251227R0FKEG	Vishay-Dale	RES, 27.0, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
87	R705, R711, R717	3	24.9k	ERA-3AEB2492V	Panasonic	RES, 24.9 k, 0.1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
88	R800, R801, R802, R803, R805, R806	6	1.00Meg	CRCW12061M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
89	R808	1	5.62k	CRCW12065K62FKEA	Vishay-Dale	RES, 5.62 k, 1%, 0.25 W, AEC-Q200 Grade 0, 1206	1206
90	R809, R816	2	16.5k	CRCW060316K5FKEA	Vishay-Dale	RES, 16.5 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
91	R901	1	17.8k	CRCW060317K8FKEA	Vishay-Dale	RES, 17.8 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
92	R902	1	30.1k	CRCW060330K1FKEA	Vishay-Dale	RES, 30.1 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
93	R903	1	20.0k	CRCW080520K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	805
94	R1101, R1107	2	4.64k	CRCW06034K64FKEA	Vishay-Dale	RES, 4.64 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
95	R1103, R1104, R1134	3	4.7k	CRCW06034K70JNEA	Vishay-Dale	RES, 4.7 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
96	R1105	1	1.15k	CRCW06031K15FKEA	Vishay-Dale	RES, 1.15 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
97	R1131, R1132, R1133	3	33	CRCW060333R0JNEA	Vishay-Dale	RES, 33, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
98	R1140, R1141	2	22	EXB-2HV220JV	Panasonic	RES, 22, 5%, 0.0625 W, Resistor Array - 8x1	Resistor Array - 8x1
99	S100, S101	2		200MSP1T1B2M6QE	E-Switch	Switch Toggle SPDT 3A 120V	PTH_SW_23MM63_8 MM13
100	S1100	1		CAS-220TA	Copal Electronics	SLIDE SWITCH DPDT .1A, SMT	SWITCH, 5.4x2.5x3.9mm
101	S1300	1		78B03ST	Grayhill	Switch, 3 SPST, 0.15 A, 30 V, TH	9.7x9.65mm

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102	TP101, TP201, TP301, TP400, TP404, TP600, TP601, TP602, TP603, TP901, TP1100, TP1101, TP1102, TP1103, TP1104, TP1105, TP1106, TP1107, TP1108, TP1109	20		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint
103	TP200, TP300, TP401	3		5015	Keystone Electronics	Test Point, Miniature, SMT	Testpoint_Keystone_Miniature
104	TP202, TP302, TP402, TP403	4		5001	Keystone Electronics	Test Point, Miniature, Black, TH	Black Miniature Testpoint
105	U201, U300	2		TPS7B6933QDBVRQ1	Texas Instruments	Automotive High-Voltage Ultralow-IQ Low-Dropout Regulator, DBV0005A (SOT-23-5)	DBV0005A
106	U202, U301, U401	3		LM74202QPWPRQ1	Texas Instruments	40V, 2A Integrated Ideal Diode with Over-Voltage & Over-Current protection, PWP0016J (HTSSOP-16)	PWP0016J
107	U203, U304	2		LM5158QRTERRQ1	Texas Instruments	2.2-MHz Wide VIN 85-V Boost/Sepic/Flyback Converter with Dual Random Spread Spectrum	WQFN16
108	U302	1		LM63635DQDRRRQ1	Texas Instruments	Buck Switching Regulator IC Positive Adjustable 1V 1 Output 3.25A 12-WFDFN Exposed Pad	WSO12
109	U303	1		TLV73333PQDBVRQ1	Texas Instruments	Automotive capacitor-free 300-mA LDO regulator with foldback current limit for portable devices, DBV0005A (SOT-23-5)	DBV0005A
110	U305	1		TLV73333PQDRVRQ1	Texas Instruments	Capacitor-Free, 300-mA, Low-Dropout Regulator for Automotive, DRV0006A (WSO16)	DRV0006A
111	U402	1		LM5157QRTERRQ1	Texas Instruments	2.2MHz Wide VIN Boost/Sepic/Flyback Converter with Dual Random Spread Spectrum, RTE0016K (WQFN-16)	RTE0016K
112	U500	1		ALM2403QPWPRQ1	Texas Instruments	24-V, High-Current, Wide-Bandwidth, Dual Operational Amplifier, PWP0014H (HTSSOP-14)	PWP0014H
113	U501, U502	2		OPA2991IDR	Texas Instruments	40-V, dual 4.5MHz, rail-to-rail input/output, low-offset-voltage, low-noise op amp 8-SOIC -40 to 125	SOIC8
114	U600	1		ISO1042QDWVRQ1	Texas Instruments	Automotive Isolated CAN Transceiver With 70-V Bus Fault Protection and Flexible Data Rate	SOIC8
115	U601	1		TCAN1043ADYYRQ1	Texas Instruments	Low-Power Fault Protected CAN FD Transceiver with INH and WAKE	SOT23-14-THIN
116	U602	1		UCC12051QDVERQ1	Texas Instruments	High-Efficiency, Low-EMI, 5-kVRMS Isolation DC/DC Converter	SO-MOD16
117	U603	1		TLIN1021ADRQ1	Texas Instruments	Fault-Protected LIN Transceiver with Inhibit and Wake	SOIC8
118	U700, U701, U702	3		OPA320AQDBVRQ1	Texas Instruments	Automotive Qualified Precision, Zero-Crossover, 20MHz, 0.9pA Ib, RRIO, CMOS Operational Amplifier, DBV0005A (SOT-23-5)	DBV0005A
119	U800	1		AMC3330QDWERQ1	Texas Instruments	Precision, ±1-V Input, Reinforced Isolated Amplifier With Integrated DC/DC Converter	SOIC16
120	U801, U902	2		TLV6001QDCKRQ1	Texas Instruments	Automotive-grade, single, 5.5-V, 1-MHz, RRIO operational amplifier	SC70-5
121	U900	1		TPS7B4255QDBVRQ1	Texas Instruments	Automotive, 70-mA, 40-V, Voltage-Tracking LDO With 5-mV Tracking Tolerance, SOT23-5	SOT23-5
122	U901	1		TMP235AEDBZTQ1	Texas Instruments	Temperature Sensor Analog, Local -40°C ~ 150°C 10mV/°C SOT-23-3	SOT23-3
123	U1100	1		REF3133AQDBZRQ1	Texas Instruments	Automotive 20 ppm / degC Max, 100 uA, SOT23-3 Series Voltage Reference, DBZ0003A (SOT-23-3)	DBZ0003A
124	U1300	1		TXB0106PWR	Texas Instruments	6-Bit Bidirectional Voltage-Level Translator with Auto Direction Sensing and +/-15-kV ESD Protect, PW0016A (TSSOP-16)	PW0016A

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
125	C100, C101, C102	0	0.01uF	12061C103JAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 5%, X7R, 1206	1206
126	C507, C511, C513, C520	0	1000pF	GRM1885C1H102JA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
127	C521, C522, C525, C526, C527, C530	0	680pF	C0603C681J5GACTU	Kemet	CAP, CERM, 680 pF, 50 V, +/- 5%, C0G/NP0, 0603	603
128	C810	0	0.01uF	CGA3E2X7R2A103K080AA	TDK	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	603
129	R100, R101, R102	0	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
130	R103, R104, R105, R541, R1130	0	0	5106	Keystone	RES, 0, 1%, 0.5 W, 0805	805
131	R302, R405	0	15.0k	CRCW060315K0FKEA	Vishay-Dale	RES, 15.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
132	R306, R417	0	5.11k	CRCW06035K11FKEA	Vishay-Dale	RES, 5.11 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
133	R562, R563, R566, R568, R600, R601, R608, R610, R1110, R1111, R1119, R1304	0	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	603
134	R907, R1123, R1126, R1127, R1142, R1143, R1144, R1157	0	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
135	R1122	0	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
136	R1135	0	22.1	CRCW060322R1FKEA	Vishay-Dale	RES, 22.1, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	603
137	TP100, TP500, TP501, TP502, TP503	0		5000	Keystone Electronics	Test Point, Miniature, Red, TH	Red Miniature Testpoint